

# Northern Powerhouse Partnership - Post-Pandemic Rail Travel Patterns in the North of England: Trends, Structural Change and Economic Implications

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## PROJECT OVERVIEW

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This project will analyse passenger travel flows between railway stations across the North of England to identify how travel patterns have changed since the Covid-19 pandemic.

The research will examine whether shifts in commuting, leisure travel and inter-city connectivity represent short-term disruption or longer-term structural change. Particular attention will be given to changes in:

- Inter-city flows (e.g. between core cities).
- Commuter flows into major employment centres.
- Intra-regional vs inter-regional travel.
- Peak vs off-peak usage patterns.

The project will contribute to ongoing policy discussions around transport investment, regional productivity, hybrid working, and the economic geography of the North.

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## PRACTICAL ARRANGEMENTS

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### Organisation and Team

Policy and Analysis



### Working Arrangement

Hybrid



### Selection Method

Interviews will be held online (via Teams)

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## APPLICATION CRITERIA

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### ESSENTIAL

- Good quantitative skills (e.g. confidence with statistics and data analysis modules).
- Experience using at least one data analysis tool (e.g. R, Python, Stata or advanced Excel).
- Ability to clean and organise datasets.
- Basic data visualisation skills.
- Strong written communication skills.
- Ability to manage their own time and work independently.
- Attention to detail.

### DESIRABLE

- Interest in transport, public policy or regional economic development.
- Experience working with real-world datasets (e.g. government or administrative data).
- Familiarity with handling large datasets.
- Basic knowledge of time-series or trend analysis.
- Some exposure to GIS or mapping tools.
- Experience presenting findings (e.g. presentations or reports).